

CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Dobo Hall Renovation - Package B, Interior Demolition
Address: 4978 Cahill Drive, Wilmington, NC Zip Code 28403
Owner/Authorized Agent: David Holsinger Phone # (910) 962-7897 E-Mail holsingerd@uncw.edu
Owned By: UNC Wilmington ☐ City/County ☐ Private ☒ State
Code Enforcement Jurisdiction: ☐ City _____ ☐ County _____ ☒ State

CONTACT:

| DESIGNER | FIRM | NAME | LICENSE # | TELEPHONE # | E-MAIL |
|--------------------------|--------------------|------------------|-----------|---------------|---------------------------------|
| Architectural | Moseley Architects | Bradley Lockwood | 14206 | (919)840-0291 | blockwood@moseleyarchitects.com |
| Civil | N/A | | | | |
| Electrical | Moseley Architects | Brian Wells | 040202 | (804)794-7555 | bwells@moseleyarchitects.com |
| Fire Alarm | N/A | | | | |
| Plumbing | Moseley Architects | Jason Forsyth | 037569 | (804)794-7555 | jforsyth@moseleyarchitects.com |
| Mechanical | Moseley Architects | Jason Forsyth | 037569 | (804)794-7555 | |
| Sprinkler-Standpipe | | | | | |
| Structural | Moseley Architects | William Gaspar | 0028507 | (804)794-7555 | wgaspar@moseleyarchitects.com |
| Retaining Walls >5' High | | | | | |
| Other | | | | | |

2018 NC BUILDING CODE: ☐ New Building ☐ Addition ☒ Renovation
☐ 1st Time Interior Completion
☐ Shell Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell Core-Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level I ☒ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

< Emergency Project Status >
CONSTRUCTED: (date) 1995 CURRENT OCCUPANCY(S) (Ch. 3): B - Business
RENOVATED: (date) n/a PROPOSED OCCUPANCY(S) (Ch. 3): B - Business

RISK CATEGORY (Table 1604.5):
Current: ☐ I ☐ II ☒ III ☐ IV
Proposed: ☐ I ☐ II ☒ III ☐ IV

BASIC BUILDING DATA
Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
☒ I-B ☐ II-B ☐ III-B ☐ V-B
Sprinklers: ☐ No ☐ Partial ☒ Yes ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ☒ Yes Class ☐ I ☐ II ☐ III ☒ Wet ☐ Dry
Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

| Gross Building Area Table | | | |
|---------------------------|------------------|-------------|-----------|
| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | SUB-TOTAL |
| 2 nd Floor | 51,447 | 0 | 51,447 |
| Mezzanine | n/a | | |
| 1 st Floor | 51,447 | 0 | 51,447 |
| Basement | n/a | | |
| TOTAL | | | 102,894 |

ALLOWABLE AREA
Primary Occupancy Classification(s): Select one Select one Select one Select one
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☒
Educational ☐
Factory ☐
Hazardous ☐ F-1 Moderate ☐ F-2 Low ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐
Accessory Occupancy Classification(s): A-3, S-1
Incidental Uses (Table 509): Furnace Room, Boiler Room, Rooms containing Fire Pumps
Special Uses (Chapter 4 - List Code Sections): n/a
Special Provisions: (Chapter 5 - List Code Sections): n/a
Mixed Occupancy: ☒ No ☐ Yes Separation: _____ Hrs. Exception:
☒ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$+ \dots + \dots \leq 1.00$$

| STORY NO. | DESCRIPTION AND USE | (A) BUILDING AREA PER STORY (ACTUAL) | (B) TABLE 506.2 ¹ AREA | (C) AREA FOR FRONTAGE INCREASE ^{2,3} | (D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3} |
|-----------|---------------------|--------------------------------------|-----------------------------------|---|--|
| 1 | B-Business | 51,447 | Unlimited | n/a | Unlimited |
| 2 | B-Business | 51,447 | Unlimited | n/a | Unlimited |
| | | | | | |

¹ Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100[(F/P - 0.25) \times W/30] = \text{_____} (\%)$
² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

| ALLOWABLE HEIGHT | | | |
|--|-----------|----------------|----------------|
| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE |
| Building Height in Feet (Table 504.3) | 160' | 36'-0" | |
| Building Height in Stories (Table 504.4) | 12 | 2 | |

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

| FIRE PROTECTION REQUIREMENTS | | | | | | | |
|--|---------------------------------|-------|--------------------------------|----------------------|-----------------------------|-------------------------------|--------------------------|
| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (FEET) | REQ'D | RATING PROVIDED (OR REDUCTION) | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | SHEET # FOR RATED PENETRATION | SHEET # FOR RATED JOINTS |
| Structural Frame, including columns, girders, joists | | 2-HR | EX | N/A | N/A | N/A | N/A |
| Bearing Walls | | 2-HR | EX | N/A | N/A | N/A | N/A |
| Exterior | | 2-HR | EX | N/A | N/A | N/A | N/A |
| North | | 2-HR | EX | N/A | N/A | N/A | N/A |
| East | | 2-HR | EX | N/A | N/A | N/A | N/A |
| West | | 2-HR | EX | N/A | N/A | N/A | N/A |
| South | | 2-HR | EX | N/A | N/A | N/A | N/A |
| Interior | | 2-HR | EX | N/A | N/A | N/A | N/A |
| Nonbearing Walls and Partitions | | | | | | | |
| Exterior walls | | | | | | | |
| North | > 30' | 0 | | | | | |
| East | > 30' | 0 | | | | | |
| West | > 30' | 0 | | | | | |
| South | > 30' | 0 | | | | | |
| Interior walls and partitions | 0 | | | | | | |
| Floor Construction including supporting beams and joists | 2-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Floor Ceiling Assembly | | | | | | | |
| Columns Supporting Floors | 2-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Roof Construction, including supporting beams and joists | 1-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Roof Ceiling Assembly | | | | | | | |
| Column Supporting Roof | 1-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Shaft Enclosures - Exit | 1-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Shaft Enclosures - Other | 1-HR | EX | N/A | N/A | N/A | N/A | N/A |
| Corridor Separation | 1-HR | 0 | (1020.1) | | | | |
| Occupancy Fire Barrier Separation | N/A | | | | | | |
| Party Fire Wall Separation | N/A | | | | | | |
| Smoke Barrier Separation | N/A | | | | | | |
| Smoke Partition | N/A | | | | | | |
| Tenant Dwelling Unit Sleeping Unit Separation | N/A | | | | | | |
| Incidental Use Separation | 1-HR | EX | N/A | N/A | N/A | N/A | N/A |

* Indicate section number permitting reduction

| PERCENTAGE OF WALL OPENING CALCULATIONS | | | |
|---|---|--------------------|---------------------------|
| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
| > 30' ALL SIDES | | | |
| | | | |

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial _____
Carbon Monoxide Detection: ☐ No ☒ Yes

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: LS1.2.1, LS1.2.2
☒ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☐ Exit access travel distances (1017)
☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☒ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

| ACCESSIBLE DWELLING UNITS (SECTION 1107) | | | | | | | |
|---|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------------|
| TOTAL UNITS | ACCESSIBLE UNITS REQUIRED | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS REQUIRED | TYPE A UNITS PROVIDED | TYPE B UNITS REQUIRED | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
| | | | | | | | |

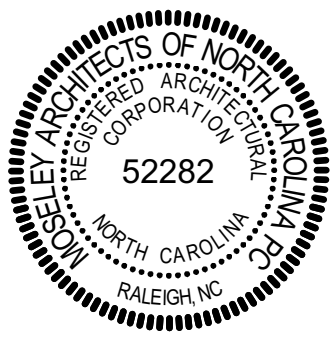
NOT APPLICABLE FOR THIS PROJECT

| ACCESSIBLE PARKING (SECTION 1106) | | | | | | | |
|--------------------------------------|------------------------------------|------------------------------------|---------------------------------|------------------------------|-------------------------------|-------|-----------------------------|
| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES REQUIRED | TOTAL # OF PARKING SPACES PROVIDED | # OF ACCESSIBLE SPACES PROVIDED | | | | TOTAL # ACCESSIBLE PROVIDED |
| | | | REGULAR WITH 5' ACCESSIBLE | REGULAR WITH 132" ACCESSIBLE | VAN SPACES WITH 8' ACCESSIBLE | TOTAL | |
| | | | | | | | |
| TOTAL | | | | | | | |

NO NEW PARKING. PARKING IS PER UNIVERSITY CAMPUS PARKING PLAN

| PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) | | | | | | | | | | | |
|---|---------|--------------|--------|-------|---------|--------|-------|------------|--------|-------|--------------------|
| USE | | WATERCLOSETS | | | URINALS | | | LAVATORIES | | | DRINKING FOUNTAINS |
| | | MALE | FEMALE | UNSEX | MALE | FEMALE | UNSEX | MALE | FEMALE | UNSEX | |
| SPACE | EXIST'G | 12 | 20 | 0 | 12 | 18 | 18 | 0 | 1 | 4 | 4 |
| | NEW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | REQ'D | | | | | | | | | | |

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)



| PROJECT NO. | DATE |
|-------------|----------------|
| 580999 | MARCH 27, 2019 |
| REVISIONS | |
| DATE | DESCRIPTION |
| | |
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